CLAIMS

1. Process for making a plastic moulded article with a metallized surface, comprising the steps of
   (a) introducing a metallized film in a mould; and
   (b) filling of the mould with a plastic composition by means of injection moulding;
   characterized in that the metallized film comprises at least one layer consisting essentially of a thermoplastic elastomer containing polyether segments.
2. Process according to Claim 1, wherein the thermoplastic elastomer has a hardness between 30 and 75 Shore D.
3. Process according to either of Claims 1-2, wherein the thermoplastic elastomer is a copolyether ester.
4. Process according to Claim 3, wherein the copolyether ester contains hard segments that are essentially based on polybutylene terephthalate.
5. Process according to any one of Claims 1-4, wherein the thermoplastic elastomer contains soft segments derived from poly(tetra methylene oxide)glycol or ethylene oxide-terminated poly(propylene oxide)glycol.
6. Process according to any one of Claims 1-5, wherein the film is metallized by means of vacuum metallizing.
7. Process according to any one of Claims 1-6, wherein the film is transparent or translucent.
8. Process according to any one of Claims 1-7, wherein the film consists of a single layer consisting essentially of a thermoplastic elastomer containing polyether segments.
9. Process according to any one of Claims 1-7, wherein the film comprises at least two layers, of which at least an outer layer contains a thermoplastic elastomer that contains polyether segments and which has been metallized.
10. Process according to Claim 9, wherein the at least two layers each consisting essentially of a thermoplastic elastomer containing polyether segments, but of different hardness.
11. Process according to any one of Claims 1-10, wherein the film has a thickness of 0.05-0.75 mm.
12. Process according to any one of Claims 1-11, wherein a plastic composition is used that is based on a polymer that is compatible or miscible with the

thermoplastic elastomer containing polyether segments.

13. Process according to Claim 12, wherein the plastic composition is based on a thermoplastic polyester and/or a polycarbonate, and the thermoplastic elastomer is a copolyether ester.

14. Process according to Claim 13, wherein the plastic composition is a thermoplastic polyester or a polycarbonate composition.

15. Process according to any one of Claims 1-14, wherein the film is laser-markable.

16. Process according to any one of Claims 1-14, wherein the plastic composition is laser-markable.

17. Process according to any one of Claims 1-16, wherein the metallized film is introduced in the mould such that its non-metallized surface is facing the plastic composition.

18. Plastic moulded article with a metallized surface obtainable with the process according to any one of the preceding claims.

19. Plastic moulded article with a metallized surface according to Claim 18, which surface also has soft-touch and/or non-slip properties.

20. Laser-markable plastic moulded article with an at least partially metallized surface obtainable by the process according to Claim 15 or 16

21. Plastic moulded article with an at least partially metallized surface obtainable by the process according to Claim 15 or 16 and provided with laser markings.

22. End-use product comprising a plastic moulded article according to any one of Claims 18-21.